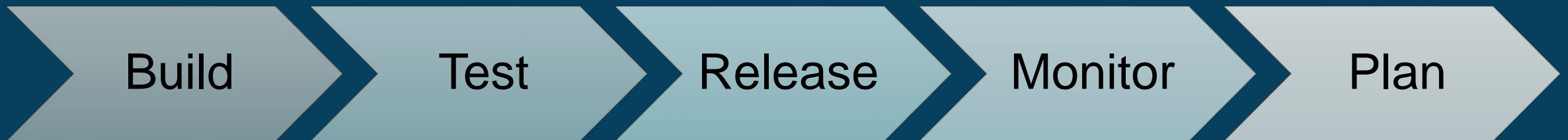# DevOps - CI/CD

BENEFITS PROPOSAL

Overview

- DevOps is a combination of philosophies, practices, and tools that increases ability to deliver applications and services at high velocity.

- It provides communication, integration, automation, and close cooperation among all people needed to plan, develop, test, deploy, release and maintain a solution.

Build → Test → Release → Monitor → Plan

What is CI/CD?

- Continuous delivery (CD) is the automated delivery of completed code to environments like testing and development. CD provides an automated and consistent way for code to be delivered to these environments.

- Continuous deployment is the next step of continuous delivery. Every change that passes the automated tests is automatically placed in production, resulting in many production deployments.

Benefits of DevOps

- Speed → More time for development new features

- Rapid Delivery → Deliver new features quickly

- Reliability → Better software quality goes to production

- Stability → Increase in revenue due to stable application

- Improved Collaboration → Reduced complexity of the deployment process

- Customer Satisfaction → Less down time, Continuous improvements

DevOps Practices

- Continuous Integration
- Continuous Delivery
- Microservices
- Infrastructure as Code
- Monitoring and Logging
- Communication and Collaboration

Thank You